

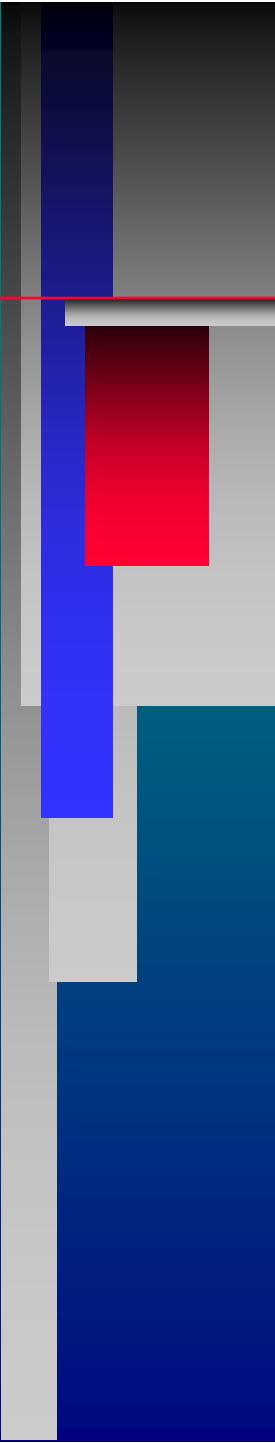


Transportation Safety Institute

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- 
- ◆ *Structure of DOT*
 - ◆ *Role of TSI*
 - ◆ *Implications of the Pipeline Safety Improvement Act of 2002*
 - ◆ *Underground Damage*

Secretary of Transportation

***Norman Y.
Mineta***



NTSB

FRA

FAA

BTS

OST

FTA

NHTSA

RSPA

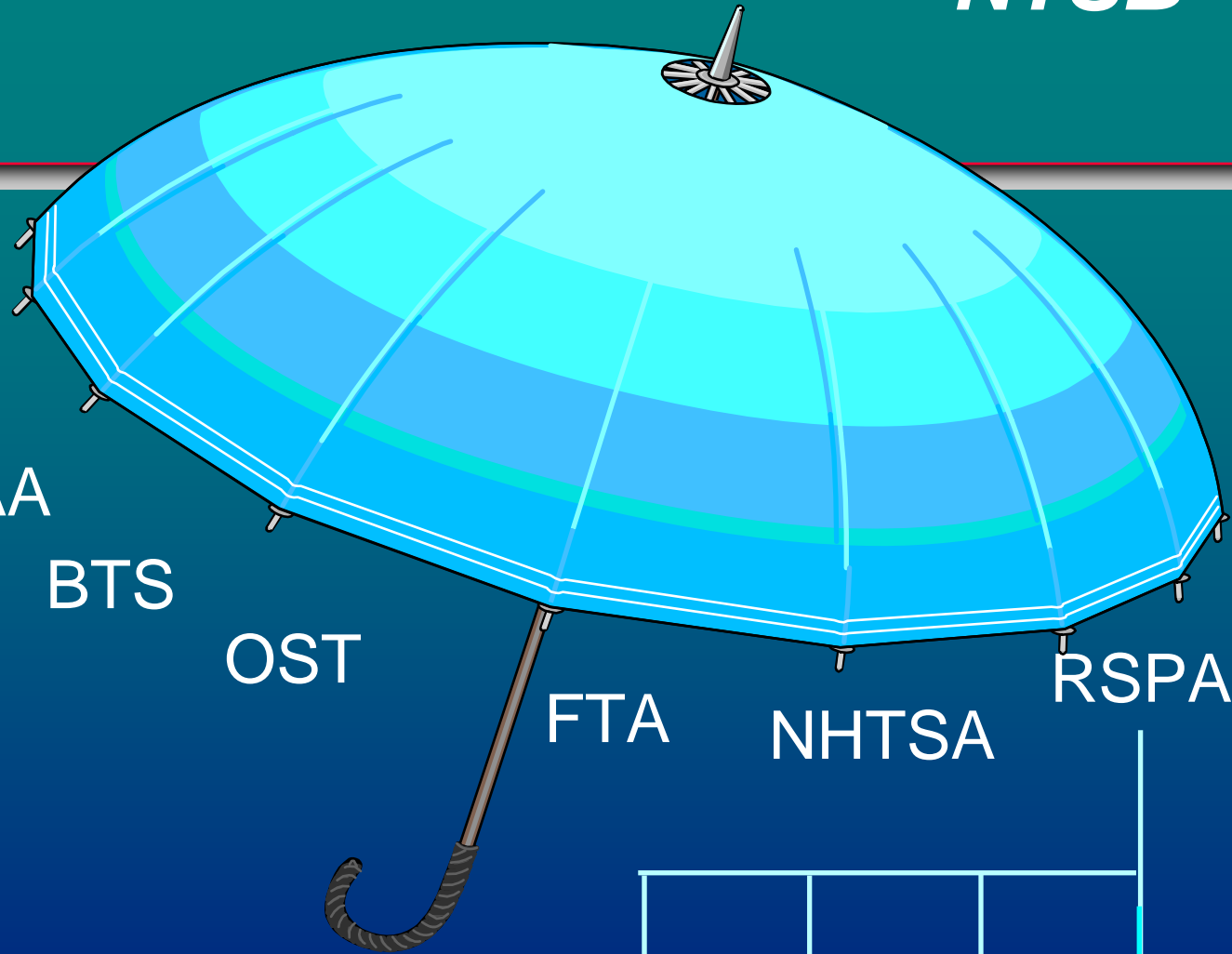
DOT

OPS

HZMT

TSI

TEM



Research and Special Programs Administration

***Sam Banossa
Deputy
Administrator***



Office of Pipeline Safety

***Stacey
Gerard***

**Associate
Administrator**



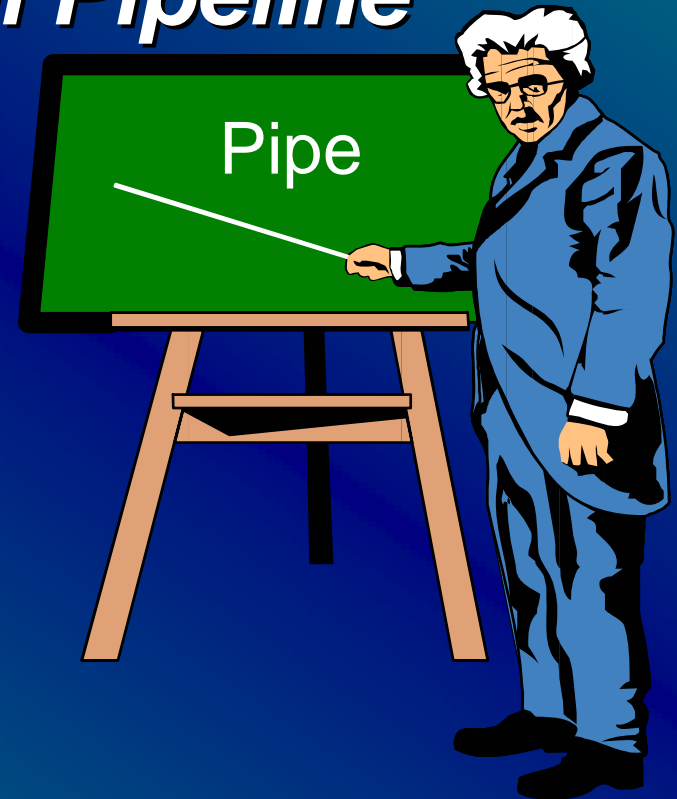
Transportation Safety Institute
Pipeline Safety Division

Richard Sanders



Pipeline Division Provides Training for:

- ◆ *State and Federal Pipeline Inspectors*
- ◆ *International Personnel*
- ◆ *Industry*



Course Development and Instruction

14 Courses (26 held this year)

- *Safety Evaluation – Gas & Liquid*
- *LNG*
- *Joining*
- *Gas Regulation & OPP*
- *Failure Investigation*
- *SCADA*
- *Pigging*
- *Corrosion Control*

Several CBT Modules

Training Requirements and Recommendations

- ♦ *State certification requires that all new inspectors complete 8 core courses within 3 years. (5)*
- ♦ *It is recommended that inspectors repeat the courses every 7 - 10 years.*



On the Horizon

Several more courses will be developed for Gas Integrity Management complemented with CBT.

Seminars

- ♦ *Under the state certification agreement, each state must provide training for the operators in that state at least every 3 years.*
- ♦ *Average - 25 seminars a year throughout the US*

Information

- ◆ *Provide information and guidance for inspectors and industry*
- ◆ *Maintain library of information of regulations for pipelines*
- ◆ *Provide “Windot” to Regions and States*

Other Projects

- ◆ *Provide input in Regulation Development*
- ◆ *Members of several industry Standards Committees*
- ◆ *Disseminate information and projects for OPS – Technical Toolbox*
- ◆ *Assist in development of manuals for operators of small gas and LPG distribution systems*

Office of Pipeline Safety



Inspectors Across the Nation

♦ ***States ~ 450 Inspectors***

♦ ***Regional Offices ~ 70 Inspectors***

Alaska Natural Gas Pipeline Project

Louisiana - Offshore

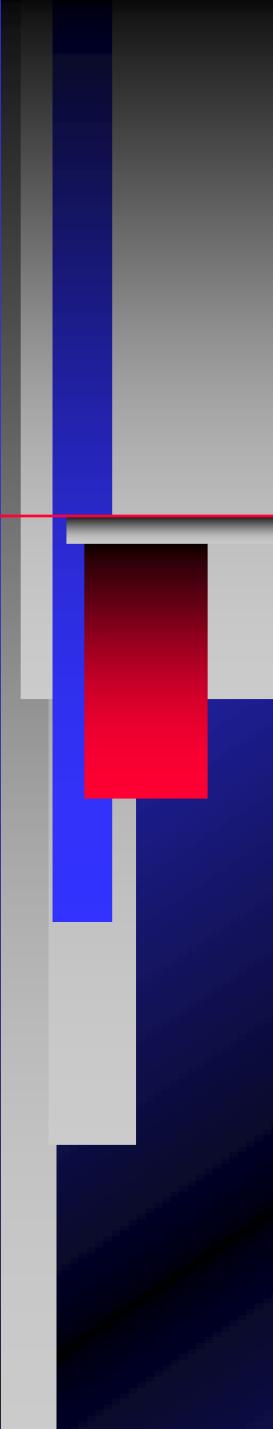
New Jersey

Washington State

Montana

Chicago

Ohio



*Pipeline Safety
Improvement Act of
2002*

Public Education Programs

Continuing program to educate the public on:

- *the use of a one-call notification system prior to excavation*
- *other damage prevention activities*
- *the possible hazards associated with unintended releases from the pipeline facility*

Administrative - Safety Orders

If the Secretary decides that a pipeline facility has a potential safety-related condition, the Secretary may order the operator of the facility to take necessary corrective action, including physical inspection, testing, repair, replacement, or other appropriate action to remedy the safety-related condition

Civil Penalties

- ♦ *Per day, per incident, amount has been increased from \$25,000 to \$100,000*
- ♦ *Maximum civil penalty increased from \$500,000 to \$1,000,000*
- ♦ *Environment*
- ♦ *Economic benefit*

Penalty for Damaging or Destroying Facility

A person knowingly and willfully damaging or destroying:

- Interstate gas pipeline facility
- Interstate hazardous liquid pipeline facility
- Intrastate gas pipeline facility
- Intrastate hazardous liquid pipeline
- Shall be fined under title 18, imprisoned for not more than 20 years, or both.

Population Encroachment and Rights of Way

- ♦ *Study land use practices and zoning ordinances, as well as the preservation of environmental resources, with regard to pipeline rights-of-way*
- ♦ *Report successful practices, ordinances, and laws addressing population encroachment on pipeline rights-of-way*

Discrimination Against Employee

Provides information or refuses to engage in any practice...

relating to any violation or alleged violation of any order or regulation relating to pipeline safety .

Pipeline Facilities Hazardous to Life and Property - General Authority

- ♦ *Operation of the facility is or would be hazardous to life, property, or the environment; or*
- ♦ *The facility is or would be constructed or operated, or a component of the facility is or would be constructed or operated, with equipment, material, or a technique that the Secretary decides is hazardous to life, property, or the environment.*

Actions Attributable to an Employee

Employee's actions may have contributed to the cause of the accident, direct the operator to relieve the employee from performing those activities, reassign the employee, or place the employee on leave.

One-call Notification Systems

A requirement that a person, including a government employee or contractor, ... must contact the appropriate system to establish if there are underground facilities present in the area of the intended activity.

Verification of Pipeline Qualification Programs

- ♦ *Not later than 1 year has in place standards and criteria for qualification programs.*
- ♦ *Action in Response: Devolvement of Inspection Protocols*

Integrity Management Programs

Not later than 12 months shall issue regulations to:

- *Conduct a risk analysis*
- *Implement an Integrity Management Program*
- *All Baseline Assessments at 10yrs – 50% at 5yrs – Reevaluation – 7yrs*

Integrity Management Programs

- ♦ *Applicable to all transmission lines, both intra and interstate.*
- ♦ *Interruption of Service?*
- ♦ *Start Date – 6-17-04*

State Pipeline Safety Agreements

Authorizing the state authority to participate in the oversight of interstate pipeline transportation including incident investigation, new construction, and other inspection and investigatory duties

Nationwide Toll-Free Number System

Within 1 year after the date of the enactment, provide for the establishment of a 3-digit nationwide toll-free telephone number system to be used by State one-call notification systems.

Damage Prevention Systems

- ♦ *Applicability*
- ♦ *Enforcement*
- ♦ *Participation*